

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/012340 A1

(51) International Patent Classification⁷: **C07K 14/375**,
C12N 15/31, 15/82

(21) International Application Number:
PCT/GB2004/003231

(22) International Filing Date: 26 July 2004 (26.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0318109.6 1 August 2003 (01.08.2003) GB

(71) Applicant (for all designated States except US): **SYNGENTA LIMITED** [GB/GB]; European Regional Centre, Priestley Road, Surrey Research Park, Guildford, Surrey GU2 7YH (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MACKAY, Katrina** [GB/GB]; Syngenta Limited, Jealott's Hill International Research Station, Bracknell, Berkshire, RG42 6EY (GB). **FOX, Daniel** [GB/GB]; Syngenta Limited, Jealott's Hill International Research Station, Bracknell, Berkshire, RG42 6EY (GB). **FLETCHER, Jon** [GB/GB]; Syngenta Limited, Jealott's Hill International Research Station, Bracknell, Berkshire, RG42 6EY (GB). **HARRISON, Stuart** [AU/GB]; Syngenta Limited, Jealott's Hill International Research Station, Bracknell, Berkshire, RG42 6EY (GB). **MACKAY, Elaine** [GB/GB]; Syngenta Limited, Jealott's Hill International Research Station, Bracknell, Berkshire, RG42 6EY (GB). **SHERIDAN, Jacqueline** [GB/GB]; Syngenta Limited, Jealott's Hill International

Research Station, Bracknell, Berkshire, RG42 6EY (GB). **CAYLEY, Jane** [GB/GB]; Syngenta Limited, Jealott's Hill International Research Station, Bracknell, Berkshire, RG42 6EY (GB).

(74) Agents: **GAAL, Jozsef, Christopher** et al.; Intellectual Property Department, Syngenta Limited, Jealott's Hill Research Center, P.O. Box 3538, Bracknell, Berks RG42 6YA (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NEMATICIDAL PROTEINS

(57) Abstract: The present invention relates, *inter alia*, to nematicidal proteins. In a particular embodiment the protein comprises the sequence depicted as SEQ ID NO: 1. The invention further provides a polynucleotide encoding the protein of SEQ ID. NO. 1. The invention further provides host cells and plants containing a polynucleotide encoding the protein of SEQ ID NO: 1.



WO 2005/012340 A1